

**Unit
2****Written Practice Assessment****Part A**

1. Write the digit in each place of the number below.

8,503,091,482,197.5601

a. ten billions _____ b. hundredths _____ c. hundred millions _____

d. thousandths _____ e. trillions _____ f. tenths _____

2. Write the following numbers in standard notation.

a. 6.8 billion _____ b. 26.4 trillion _____

3. Write each number in number-and-word notation.

a. 67,000,000 _____

b. 57,600,000,000,000 _____

4. Write the exponent for each of the following numbers.

a. 1 million = 10^{\square}

b. $10 * 10 * 10 * 10 * 10 = 10^{\square}$

c. 0.0001 = 10^{\square}

d. $\frac{1}{100} = 10^{\square}$

5. Complete.

a. $7,023 * 0.001 =$ _____

b. $0.654 * 1,000 =$ _____

c. $83.4 * 10^{-6} =$ _____

d. $49 = 0.00049 *$ _____

e. $5.6 * 10^4 =$ _____

f. $0.1 = 0.000001 *$ _____

Name _____

Date _____

Time _____

**Unit
2****Written Practice Assessment** *continued*

6. The distance between a comet and the Earth is about $3.4 * 10^7$ miles. Write $3.4 * 10^7$ in standard notation. _____
7. Assume that every year, Jupiter travels about 800,000,000 miles in its orbit around the Sun. Write 800,000,000 in scientific notation. _____

Add or subtract.

8. $0.596 + 5.06 =$ _____

9. $7.3 - 0.46 =$ _____

Multiply or divide.

10. _____ $= 46.5 * 8.6$

11. $783/29$ _____

**Unit
2****Written Practice Assessment** *continued***Part B**

12. Write each of the following numbers in expanded notation.

Example: $34.78 = (3 * 10) + (4 * 1) + (7 * 0.1) + (8 * 0.01)$

a. 56,064 _____

b. 9.413 _____

13. Use a calculator to help you convert the numbers written in exponential notation to standard notation.

a. $13^5 =$ _____

b. $3^{-4} =$ _____

Metric Measurements

Length	Capacity	Mass
1 meter (m) = 100 centimeters (cm)	1 liter (L) = 1,000 milliliters (mL)	1 kilogram (kg) = 1,000 grams (g)
1 centimeter (cm) = 10 millimeters (mm)	1 kiloliter (kL) = 1,000 liters (L)	1 gram (g) = 1,000 milligrams (mg)

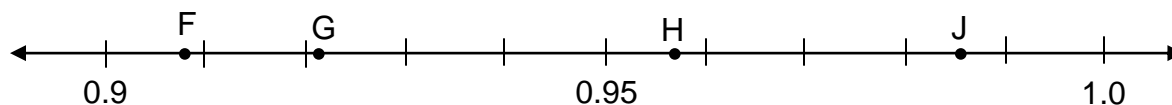
14. Use the table of metric measurements above to complete the following.

a. 453 cm = _____ m

b. 3.4 L = _____ mL

c. 12,462 g = _____ kg

d. 406 mL = _____ L



Name the point on the number line above that represents each of the following numbers.

15. 0.907 _____

16. 0.985 _____

17. 0.921 _____

18. Use the number line above to help you round 0.956 to the nearest hundredth. _____

Written Practice Assessment *continued*

